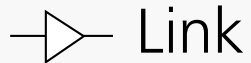


Blue Prism Tools (section 2)



Stage Tools

To add a Stage to the workspace, select it from the toolbar then click or drag into position.



Link

The Link Stage links Stages together.



Decision

A Decision Stage provides a 'Yes' or 'No' outcome - known as a 'Flag'.



Calculation

A Calculation Stage performs a calculation and stores the outcome within a Data Item.



Data Item

A Data Item acts as a placeholder for a value.

Tools



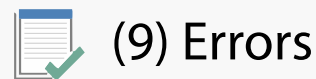
Reset

Resets the current Process. Use before running or validating a Process.



Go

Runs the current Process.



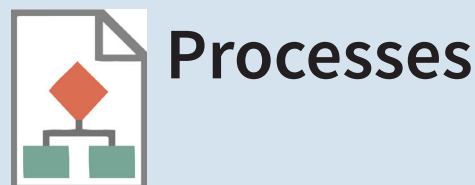
(9) Errors

The Validate button checks the Process Diagram for any basic errors.



Save

Saves the Process. You'll be prompted to add notes about what you have changed.



Processes

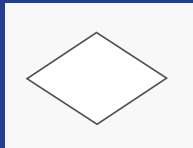
To create a new Process, *right click* on the *Processes* heading in the Studio Area of Blue Prism and select *Create Process*.

To edit an existing Process, *double-click* the Process to open it.

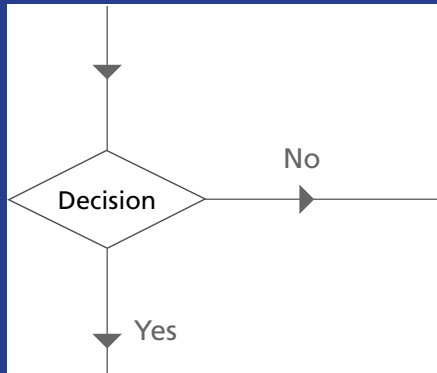
2.2 Decision Stages

Decision Stages

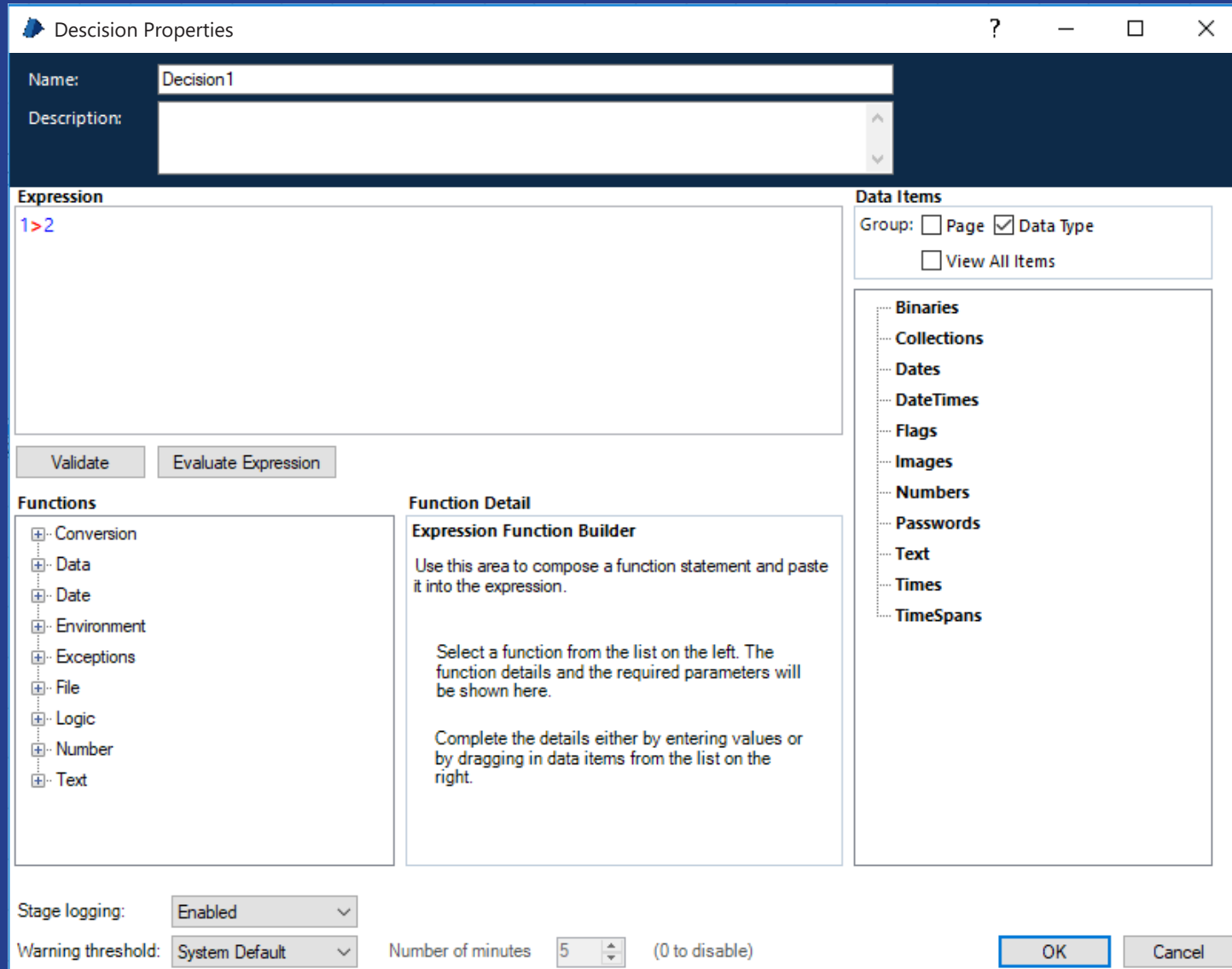
- Have two branches coming out of them, enabling a Process to split into two separate paths.
- Are used to evaluate the result of an Expression as either 'True' (Yes) or 'False' (No). In Blue Prism, these outcomes are known as 'Flags'.
- Can use information from other Stages such as Data Items to form part of the decision logic.



Decision Stage.



Labelled as part of a Process Diagram with 'Yes' and 'No' paths.

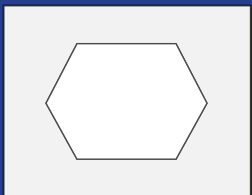


Double-click a Decision Stage or right-click and select *Properties* to open the Decision Stage properties window.

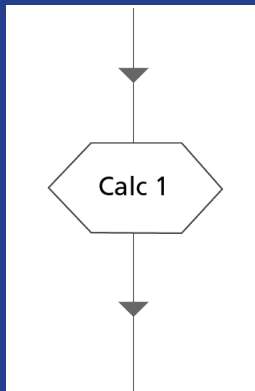
2.3 Calculation Stages

Calculation Stages

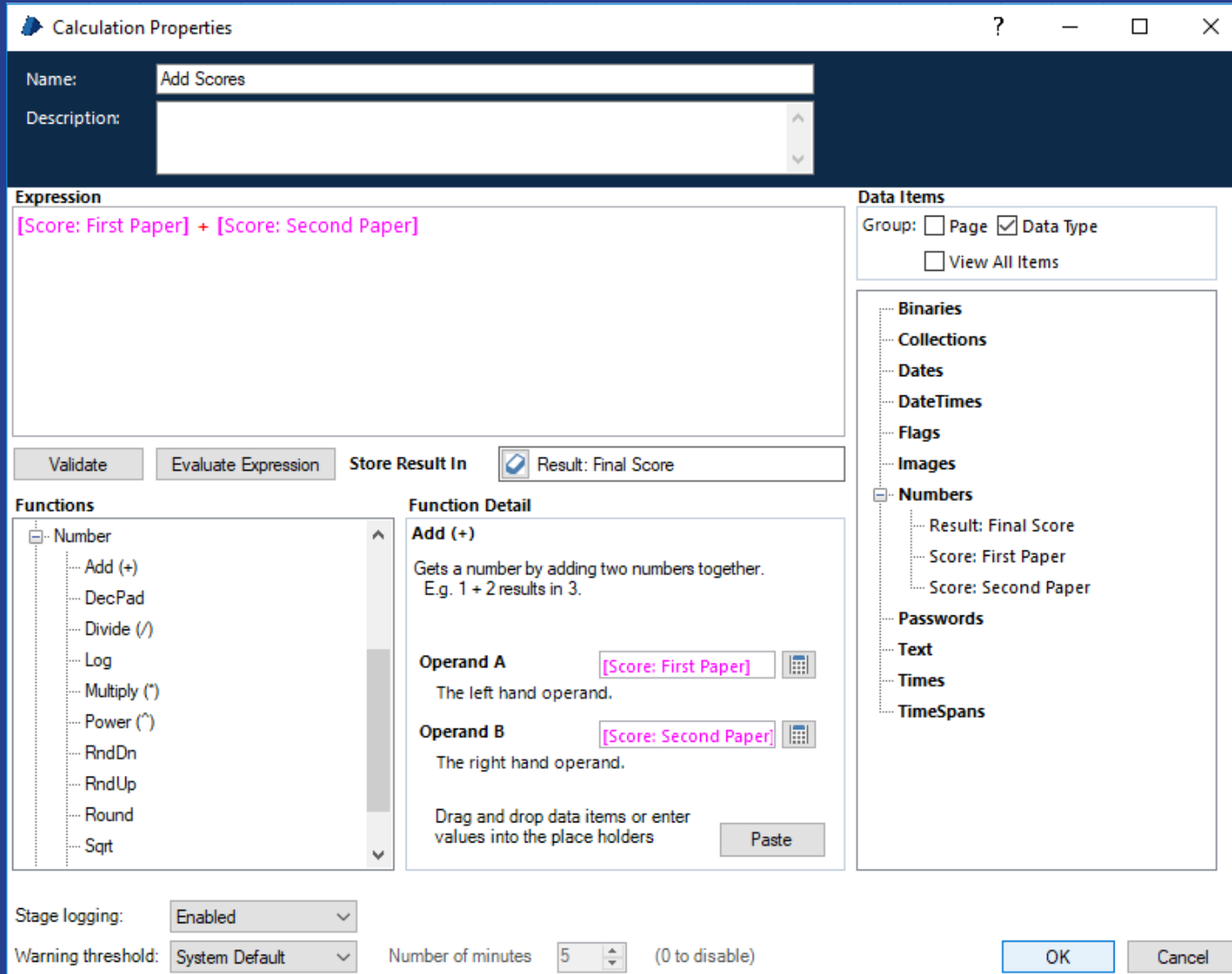
- Use Expressions to calculate values. These can be numerical or made using values such as text, dates, etc.
- Are dependent on Data Items to store results.
- Can work with Data Items to perform calculations.



A Calculation Stage.



Labelled as part of a Process Diagram.



Calculation Properties

Name: Add Scores

Description:

Expression

[Score: First Paper] + [Score: Second Paper]

Validate Evaluate Expression Store Result In ☒ Result: Final Score

Functions

- Number
 - Add (+)
 - DecPad
 - Divide (/)
 - Log
 - Multiply (*)
 - Power (^)
 - RndDn
 - RndUp
 - Round
 - Sqrt

Function Detail

Add (+)

Gets a number by adding two numbers together. E.g. 1 + 2 results in 3.

Operand A [Score: First Paper]

The left hand operand.

Operand B [Score: Second Paper]

The right hand operand.

Drag and drop data items or enter values into the place holders Paste

Data Items

Group: ☐ Page ☒ Data Type

☐ View All Items

- Binaries
- Collections
- Dates
- DateTimes
- Flags
- Images
- Numbers
 - Result: Final Score
 - Score: First Paper
 - Score: Second Paper
- Passwords
- Text
- Times
- TimeSpans

Stage logging: Enabled

Warning threshold: System Default

Number of minutes 5 (0 to disable)

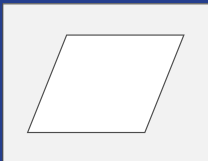
OK Cancel

Double-click Calculation Stage or right-click and select Properties to open Calculation Stage properties window.

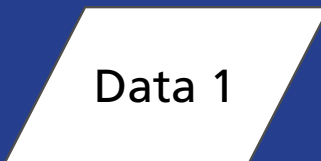
2.3 Data Items Basics

Data Items

- Act as place holders for values such as numbers, text and dates.
- Can be given meaningful names like “Account Number” and employed around the Process Diagram.
- Programming comparison: a Data Item is like a **variable**.



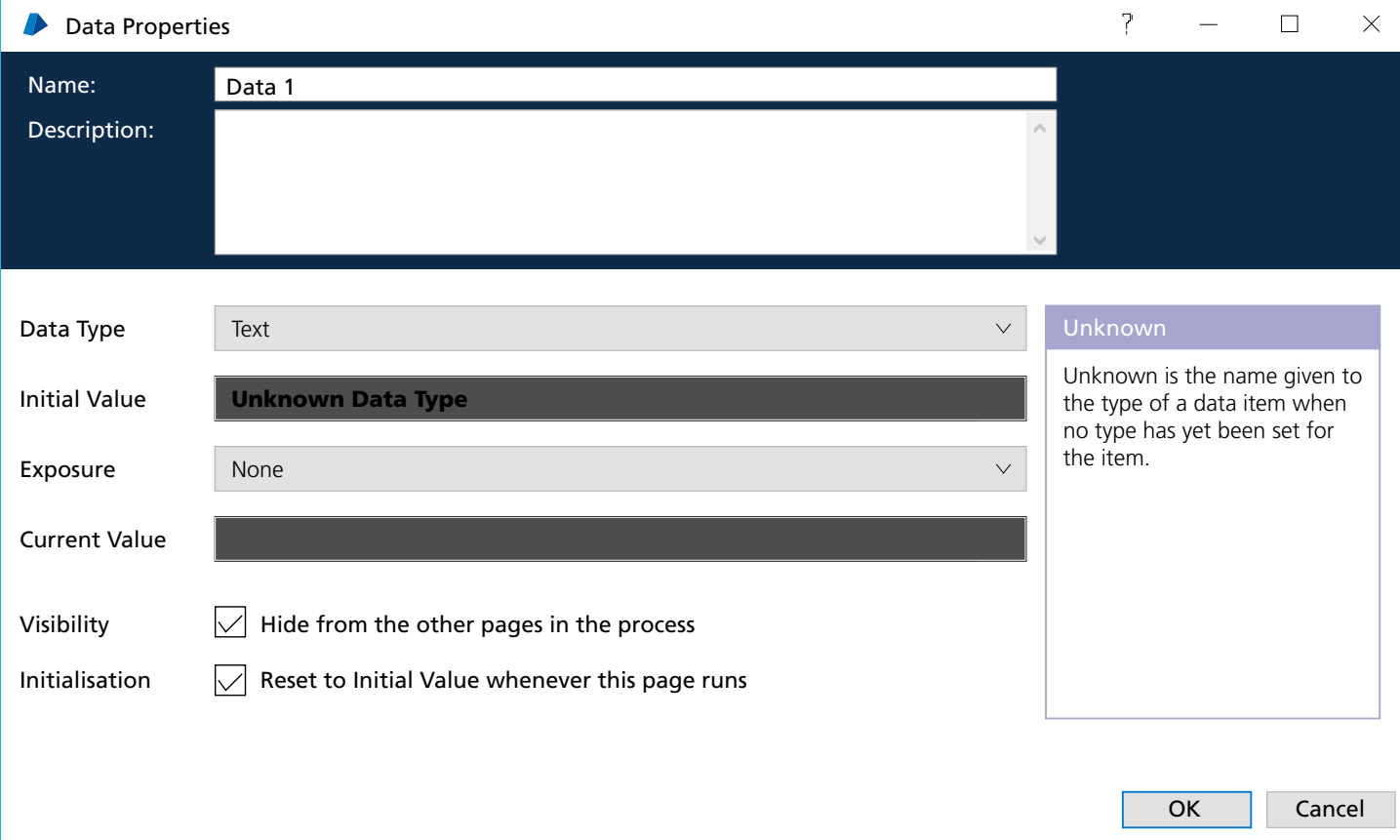
A Data Item.



Labelled as part of a Process Diagram.

Key Point

- Data Items are not linked into the logical flow, they ‘float’ and cannot be physically connected to any other part of the Process Diagram.



Double-click a Data Item or right-click and select *Properties* to open the Data Item properties window.